

IN THE SPECIFICATION:

Please amend the Substitute Specification on Page 39 by revising the paragraph in lines 3 to 9 to read as follows:

--The input quantities for the herein used standard-arithmetic procedure GERG88 result thereby out of the direct evaluation of the spectrums and with the starting values for K and  $Z_n$ :

$$\cancel{H_{v,n} = \frac{p_n \bar{T}_b}{p_b \bar{T}_n} K H_{v,b}}$$

$$\cancel{p_{v,n} = \frac{p_n \bar{T}_b}{p_b \bar{T}_n} K p_{v,b}}$$

$$\cancel{X_{CO_2} = \frac{k_B \bar{T}_b}{p_b V_b} K Z_n N_{CO_2}}$$

$$H_{v,n} = \frac{p_n \bar{T}_b}{p_b \bar{T}_n} K H_{v,b}$$

$$p_{v,n} = \frac{p_n \bar{T}_b}{p_b \bar{T}_n} K p_{v,b}$$

$$X_{CO_2} = \frac{k_B \bar{T}_b}{p_b V_b} K Z_n N_{CO_2}$$